

REMARKS

Preliminary amendments have been provided to the specification to incorporate sequence identifier numbers ("SEQ ID NO:s") into the text of the specification. Applicants submit that no new matter is introduced into the specification by way of these amendments.

Substitute Specification

In response to the Notice mailed August 12, 2004, Applicants submit a substitute specification correcting the line spacing of the specification, claims and abstract as required by the Notice. Applicants respectfully note that the correction of line spacing is not amenable to the method of markings showing all the changes relative to the immediate prior version of the specification of record as required under 37 C.F.R. § 1.125(c), and therefore the substitute specification does not include any markings showing changes made relative to the immediate prior version of the specification of record. Nonetheless, Applicants submit herewith an accompanying clean version of the substitute specification as required under 37 C.F.R. § 1.125(c). Please replace the specification with the substitute specification. Applicants submit that no new matter is introduced into the specification by way of this substitute specification.

Applicants note that the substitute specification includes the claim set as originally included in the application papers filed on January 16, 2004, since Applicants interpret the Notice to require the submission of a substitute specification, claims and abstract. However, Applicants also note that a preliminary amendment to the specification, including amendments to the claims, was submitted concurrently with the application papers on January 16, 2004. Applicants note that the claims contained within the substitute specification do not reflect the preliminary amendments as submitted on January 16, 2004.

Sequence Listing

In response to the Notice mailed August 12, 2004, and in accordance with the provisions of 37 C.F.R. §§ 1.821-1.825, Applicants submit herewith a computer readable form (CRF) of the "Sequence Listing" on a 3½ inch diskette, in ASCII format as required by 37 C.F.R. § 1.821(e).

Applicants also submit herewith a paper copy of "Sequence Listing", totaling twenty-four (24) pages. Applicants respectfully direct entry of this Sequence Listing into the application.

Support for the sequence listing can be found throughout the specification as originally filed, *inter alia*, on page 19, line 31 extending to page 20, line 5; on page 24, lines 6-9; on page 28, lines 22-24; on page 29, lines 1-8; on page 31, lines 11-14; on page 37, lines 9-10; on page 39, lines 6-7; on page 40, lines 15-17; on page 42, lines 3-5; on page 49, lines 16-21; on page 53, lines 10-13; on page 56, lines 21-23; on page 58, lines 22-24; on page 59, lines 4-5; on page 60; on page 61, lines 6-8; on page 63, lines 10-12 and 16-17; on page 64, lines 18-20; on page 66, lines 24-26; on page 68, lines 21-32; on page 69, line 7; on page 70, lines 16-17; and in Figures 1, 5, 10 and 12. Accordingly, Applicants submit that no new matter is introduced into the specification by way of incorporation of the instant sequence listing.

The undersigned hereby states that the content of the computer readable form of the "Sequence Listing" and the paper copy of the "Sequence Listing" submitted herewith are the same.

Conclusion

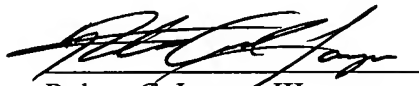
An indication of allowance of all claims is earnestly solicited. Early notification of a favorable consideration is respectfully requested.

Respectfully submitted,

HUNTON & WILLIAMS LLP

Dated: November 12, 2004

By: _____


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